

METHOD, APPARATUS, AND SYSTEM FOR DETERMINING A FRAUDULENT ITEM

Abstract of the Disclosure

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In order to address the need for detection of fraudulent items, a method, apparatus, and system for detection of fraudulent items is provided herein. Special anti-forgery Radio-Frequency identification (RFID) tags are utilized with additional measures to thwart would-be forgers. Each anti-forgery RFID tag comprises a unique, or semi-unique number that, along with a private key possessed by only the legitimate product manufacturer, determines a signature that is preferably printed on the product packaging. Utilizing the unique number on the anti-forgery RFID and a public key corresponding to the private key, the signature is verified by standard public-key cryptographic methods. The validation of the signature identifies the product's authenticity.

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